This document reflects commonly billed procedure codes used by hospitals or physicians for the reporting of cardiac device procedures. This is not an all-inclusive list. The descriptions below are based upon the CPT® short descriptors but may have additional wording included from the CPT® long descriptor to differentiate from other procedures with similar short descriptors.

### PACEMAKER (PM) SYSTEM IMPLANTS
- **33206**: Insert new or replace perm PM w/atrial lead
- **33207**: Insert new or replace perm PM w/ventricular lead
- **33208**: Insert new or replace perm PM w/atrial and ventricular leads
- **33274**: Transcatheter insert or replace perm leadless PM, ventricular

### PACEMAKER (PM) GENERATOR PROCEDURES
- **33212**: Insert PM generator only; w/existing single lead
- **33213**: Insert PM generator only; w/existing dual leads
- **33221**: Insert PM generator only; w/existing multiple leads
- **33227**: Remove perm PM generator w/replacement of PM generator; single lead system
- **33228**: Remove perm PM generator w/replacement of PM generator; dual lead system
- **33229**: Remove perm PM generator w/replacement of PM generator; multiple lead system
- **33233**: Remove perm PM generator only
- **33275**: Transcatheter removal perm leadless PM, ventricular

### PACEMAKER LEADS
- **33210**: Insert/replace temp lead/catheter – single chamber lead
- **33211**: Insert/replace temp dual chamber leads
- **33215**: Reposition previously implanted transvenous right atrial or right ventricular lead, perm PM or implantable defibrillator
- **33216**: Insert single transvenous lead, perm PM or implantable defibrillator
- **33217**: Insert 2 transvenous leads, perm PM or implantable defibrillator
- **33218**: Repair single transvenous lead, perm PM or implantable defibrillator
- **33220**: Repair 2 transvenous leads, perm PM or implantable defibrillator
- **33224**: Insert LV lead, attach to previously placed generator
- **+33225**: Insert LV lead at time of generator implant or replacement
- **33226**: Reposition previously implanted LV lead
- **33234**: Remove transvenous PM electrode single lead system
- **33235**: Remove transvenous PM electrode(s) dual lead system

### PACEMAKER (PM) OTHER
- **33214**: Upgrade single PM to dual PM (includes removal of PM generator, test existing lead, insert new lead and insert new PM generator)
- **33222**: Relocation of skin pocket for pacemaker

### IMPLANTABLE DEFIBRILLATOR GENERATOR PROCEDURES
- **33230**: Insert implantable defibrillator generator only; w/existing dual leads
- **33231**: Insert implantable defibrillator generator only; w/existing multiple leads
- **33240**: Insert implantable defibrillator generator only; w/existing single lead
- **33241**: Remove implantable defibrillator generator only
- **33262**: Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; single lead system
- **33263**: Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; dual lead system
- **33264**: Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; multiple lead system

### IMPLANTABLE DEFIBRILLATOR SYSTEM IMPLANT
- **33249**: Insert or replace perm implantable defibrillator system, with transvenous lead(s); single or dual chamber
- **95641**: DFT testing of device/leads at initial implant or replacement
- **33270**: Insert or replace perm subcutaneous implantable defibrillator system

### IMPLANTABLE DEFIBRILLATOR LEADS
- **33210**: Insert/replace temp lead/catheter – single chamber lead
- **33211**: Insert/replace temp dual chamber leads
- **33215**: Reposition previously implanted transvenous right atrial or right ventricular lead, perm PM or implantable defibrillator
- **33216**: Insert single transvenous lead, perm PM or implantable defibrillator
- **33217**: Insert 2 transvenous leads, perm PM or implantable defibrillator
- **33218**: Repair single transvenous lead, perm PM or implantable defibrillator
- **33220**: Repair 2 transvenous leads, perm PM or implantable defibrillator
- **33224**: Insert LV lead, attach to previously placed generator
- **+33225**: Insert LV lead at time of generator implant or replacement
- **33226**: Reposition previously implanted LV lead
- **33243**: Remove single or dual implantable defibrillator leads; by thoracotomy
- **33244**: Remove single or dual implantable defibrillator lead(s); by transvenous extraction
- **33271**: Insert subcutaneous defibrillator lead
- **33272**: Remove subcutaneous implantable defibrillator electrode
- **33273**: Reposition previously implanted subcutaneous implantable defibrillator lead

### IMPLANTABLE DEFIBRILLATOR OTHER
- **33223**: Relocation of skin pocket for implantable defibrillator

### CRT-P IMPLANT
- **33206**: Insert new or replace perm PM w/atrial lead
- **33207**: Insert new or replace perm PM w/ventricular lead
- **33208**: Insert new or replace perm PM w/atrial and ventricular leads
- **33212**: Insert PM generator only; w/existing single lead
- **33213**: Insert PM generator only; w/existing dual leads
- **33214**: Upgrade single PM to dual PM (includes removal of PM generator, test existing lead, insert new lead and insert new PM generator)
- **33221**: Insert PM generator only; w/existing multiple leads
- **+33225**: Insert LV lead at time of generator implant or replacement
- **33228**: Remove perm PM generator w/replacement of PM generator; single lead system
- **33229**: Remove perm PM generator w/replacement of PM generator; dual lead system
- **33249**: Insert or replace perm implantable defibrillator system, with transvenous lead(s); single or dual chamber
- **95641**: DFT testing of device/leads at initial implant or replacement
- **33270**: Insert or replace perm subcutaneous implantable defibrillator system

Cardiac Rhythm and Heart Failure (CRHF) coding, coverage and reimbursement information is available at: www.medtronic.com/crhfreimbursement

For questions or for more information, please contact Medtronic CRHF Reimbursement Services at 1-866-877-4102 (M-F, 8:00 a.m. to 5:00 p.m. CDT) or rs.healthcareeconomics@medtronic.com.

CPT® copyright 2020. American Medical Association. All rights reserved. CPT is a registered trademark of the American Medical Association.

*Service performed in a facility setting (i.e., hospital) may require a -26 modifier that represents professional component only.

1Include the insertion of the LV lead at time of the generator implant or replacement (+33225)
CRT-D IMPLANT†
- +33225 Insert LV lead at time of generator implant or replacement
- 33230 Insert implantable defibrillator generator only w/existing dual leads
- 33231 Insert implantable defibrillator generator only w/existing multiple leads
- 33240 Insert implantable defibrillator generator only w/existing single lead
- 33249 Insert or replace perm pacing implantable defibrillator system w/transvenous lead(s); single or dual chamber
- 33263 Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; dual lead system
- 33264 Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; multiple lead system
- 93641* DFT testing of ICD device/leads at initial implant or replacement

COMPREHENSIVE EP EVALUATIONS
- 93619* Comp EP eval; RA and RV pacing/recording/His
- 93620* Comp EP eval w/arrhythmia; RA and RV pacing/recording/His
- +93621* Comp EP eval w/arrhythmia; LA pacing/recording from CS or LA
- +93622* Comp EP eval w/arrhythmia; LV pacing/recording
- +93623* Programmed stimulation and pacing after IV drug infusion

RECORDING, MAPPING, AND OTHER PROCEDURES
- 93600* Bundle of His recording
- 93602* Intra-atrial recording
- 93603* Right ventricular recording
- +93609* Intraventricular and/or intra-atrial mapping of tachycardia
- 93610* Intra-atrial pacing
- 93612* Intraventricular pacing
- +93613 Intracardiac electrophysiologic 3D mapping
- 93615* Esophageal recording of atrial electrogram
- 93616* Esophageal recording of atrial electrogram w/pacing
- 93618* Induction of arrhythmia by electrical pacing
- 93624* EP follow-up w/pacing/recording w/induction or attempted induction of arrhythmia
- 93631* Intra-operative epicardial/endocardial pacing/mapping
- 93660* Tilt table evaluation

CATHETER ABLATIONS
(Review your CPT codebook for the applicable Add-on codes)
- +93462 Left heart catheterization by transseptal puncture
- 93650 Catheter ablation AV node with or w/o temporary pacemaker
- 93653 EPS w/RA pacing/recording, RV pacing/recording (when necessary), and His recording (when necessary) w/catheter ablation of arrhythmogenic focus; with treatment of SVT
- 93654 EPS w/RA pacing/recording, RV pacing/recording (when necessary), and His recording (when necessary) w/catheter ablation of arrhythmogenic focus; with treatment of VT including 3D mapping, when performed, and LV pacing/recording, when performed
- +93655 Catheter ablation of a discrete mechanism of arrhythmia which is distinct from the primary ablated mechanism, including repeat diagnostic maneuvers, to treat a spontaneous or induced arrhythmia (Use 93655 in conjunction with 93653, 93654, 93656)

CATHETER ABLATIONS
(Review your CPT codebook for the applicable Add-on codes), cont’d.
- 93656 EPS including transseptal catheterizations, with LA or RA pacing/ recording, when necessary, RV pacing/recording when necessary, and His bundle recording when necessary w/catheter ablation of AF by PVI
- +93662 Intracardiac echo during intervention/includes imaging
- +93657 Additional linear or focal catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation (Use 93657 in conjunction with 93656)

CARDIOVERSION
- 92960 Cardioversion, elective, conversion of arrhythmia, external
- 92961 Cardioversion, elective, conversion of arrhythmia, internal

EP IMPLANTABLE DEFIBRILLATOR DEVICE FOLLOW-UP
- 93642* EP evaluation transvenous single/dual implantable defibrillator
- 93644* EP evaluation subcutaneous implantable defibrillator

TRANSTHORACIC ECHOCARDIOGRAPHY
- 93303* Echo transthoracic, congenital: complete
- 93304* Echo transthoracic, congenital: follow-up or limited study
- 93306* Echo transthoracic 2D, complete w/spectral and color flow Doppler
- 93307* Echo transthoracic 2D, complete w/spectral or color flow Doppler
- 93308* Echo transthoracic 2D, follow-up or limited study
- +93320* Doppler pulsed and/or continuous wave with spectral display; complete

(REview your CPT codebook for the applicable Add-on codes)

(Subuse 93320 in conjunction with 93303, 93304)
- +93321* Doppler pulsed and/or continuous wave with spectral display; follow- up or limited study

(Use 93321 in conjunction with 93303, 93304, 93308)
- +93325* Doppler echo color flow velocity mapping

(Use 93325 in conjunction with 93303, 93304, 93308)

SUBCUTANEOUS CARDIAC RHYTHM MONITOR
- 33285 Implant subcutaneous cardiac rhythm monitor
- 33286 Remove subcutaneous cardiac rhythm monitor

VENTRICULAR ASSIST DEVICE (VAD) PROCEDURES
- 33979 Insert intracorporeal device single ventricle
- 33980 Remove intracorporal device single ventricle
- 33982 Replace VAD intracorporal w/o BP
- 33983 Replace VAD intracorporal w/BP

NOTES:
Codes preceded by a + symbol are add-on codes; bill in addition to the primary service/procedure.
*Service performed in a facility setting (i.e., hospital) may require a -26 modifier that represents professional component only.
Remember to check the National Correct Coding Initiative (NCCI) edits.
1 Include the insertion of the LV lead at time of the generator implant or replacement (+93462).

Access your CPT codebook for additional coding information.